

**THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA****DEPARTMENT OF COMPUTER APPLICATIONS****Program: Bachelor of Computer Applications**

Semester-I Mid Semester Examination (Practical)

**Date: 17-09-2019****Day: Monday****Duration: 03:15PM- 04:15PM****BCA1112C04 Introduction to Programming using Python Lab****Marks: 30****Batch-A****INSTRUCTIONS:**

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1. In the beginning of each file, write the program objective, name of programmer, date of program creation, programming language and version of program.
  2. Attempt all.
  3. Name your variables appropriately.
  4. Add comments whenever necessary.
  5. Prepare a MS Word document of the problem statement, your solution and at least two outputs. (Optional)
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**SET A****[6 x 5 = 30]****Q1.** Write a program to calculate area of a room.**Q2.** Write a program to swap two no.**Q3.** Write a program to calculate SI and compound interest.**Q4.** Create a Dictionary of Roll Nos and Names of your friends and display the complete dictionary and the name of your best friend that is available in the dictionary.**Q5.** Write a program to calculate the total amount of money in the piggybank given the coins of Rs 10, Rs 5, Rs 2, Rs 1, 50 Paise and 25 Paise.**Q6.** Write a program to solve quadratic equation.

End